

Water Use Efficiency Annual Performance Report - 2019

WS Name: KENT WATER DEPARTMENT

Water System ID# : 38150

WS County: KING

Report submitted by: Tom Cunningham

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not fully metered - Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: 01/01/2019 To 12/31/2019

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	2,727,658,000 gallons
Authorized Consumption (AC) – Annual Volume	2,583,462,327 gallons
Distribution System Leakage – Annual Volume TP – AC	144,195,673 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	5.3 %
3-year annual average	5.4 %

Goal-Setting Information:

Date of Most Recent Public Forum: 11/05/2019 Has goal been changed since last performance report? Yes

Note: Customer goal must be re-established every 6 years through a public process

WUE Goals:

Customer Goal (Demand Side):

The City of Kent will allocate the resources necessary to support measures that will reduce water use by public agencies during the summer months of June through August by 0.5% annually, with an emphasis on outside water use. The City will also work with owners and managers of multi-family residential complexes to reduce water consumption by 1.0 percent per year. To meet these goals, the City will provide educational materials to public agencies regarding water conservation topics, including, but not limited to: water efficient irrigation systems, native landscaping and natural yard care, as well as offer rebates for water efficient fixtures.

The City will also strive to maintain system-wide distribution leakage at less than 6.0 percent per year based on a three-year rolling average.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

Water use for the period of June through August 2019 decreased 1.6 percent compared to the same period in 2018 (Our emphasis was on outdoor water use which saw a decrease of 13.34 percent over last year). Since the inception of this goal in 2007, overall water use for the period of June through August has decreased by 4.0 percent while the number of services stayed the same. Dedicated irrigation accounts for government agencies have risen by 42.4 percent over this same time period.

The City met its goal of maintaining 6 percent or less lost water for the year, with a 5.85 percent distribution system leakage reported. The average lost water rate is 4.4 percent since 2007.

Additional Information Regarding Supply and Demand Side WUE Efforts

Include any other information that describes how you and your customers use water efficiently:

Do not mail, fax, or email this report to DOH